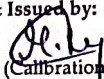






## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22-23/03296					Page. No: 1 of 1					
Customer Name & Address										
KUMARAN DIAGNOSTIC CENTRE, NO-3,NATTAR STREET,DHANDEESWARAM BUS STOP, VELACHERRY,CHENNAI-600 042.				SRF No.	SBS/SRF/22-23/0049-006					
				SRF Date	29-04-2022					
				Date of Receipt	29-04-2022					
				Date of Calibration	30-04-2022					
				Due Date for Calibration	29-04-2023					
				Issue Date	30-04-2022					
Details of Unit Under Calibration										
Description	Micro Pipette	Make	DRAGONLAB							
Range	5-50µl	Model	NA							
Resolution	1 µl	Material	PVC							
Serial Number	YE184H0013723	Operating Range	10-50µl							
ID Number		Condition of UUC	Good							
Cal. At	Mechanical Lab	Instrument Location	LAB							
Environmental Condition			Calibration Method Used							
Temperature (°C)	23.9	Humidity (%RH)	55	National / International Standard	ISO 8655-6:2002					
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08					
Standard Used										
SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till				
1	Electronic Semi Micro Balance	15112918	TVCSP/L21/12/1587-01	A&D & GH-252	National Standards	10-12-2022				
Z Factor: 1.00319										
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.81	9.82	9.83	9.82	9.79	9.81	-0.19	0.02	0.47
		9.78	9.80	9.82	9.82	9.82				
2	30	29.94	29.92	29.93	29.92	29.92	29.92	-0.08	0.01	0.47
		29.91	29.92	29.93	29.92	29.92				
3	50	49.95	49.94	49.96	49.95	49.94	49.95	-0.05	0.01	0.47
		49.94	49.94	49.96	49.95	49.94				
Remarks										
<ol style="list-style-type: none"> <li>1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.</li> <li>2.The user should determine the suitability of the instrument for its intended use.</li> <li>3.The recalibration interval should be determined on the user requirement.</li> <li>4.The results stated in this certificate relate only to the item calibrated.</li> <li>5. Equipment used for Calibration were calibrated &amp; traceable to National &amp; International Standards</li> <li>6.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .</li> <li>7. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.</li> </ol>										
Checked & Issued by:			Authorised by:							
 (Calibration Engineer) M.BALAJI							 (Quality Manager/Chief Executive) D.VETRI SELVI			